

Claim Listing

What is claimed is:

- 1-10. (Cancelled)
11. (New) A thin block copolymer modified bituminous felt comprising at least one block copolymer, which comprises at least two poly(vinyl aromatic) blocks and at least one poly(conjugated diene) block in a weight proportion of from more than 20 to 50 wt% relative to the weight of the block copolymer, and bitumen and optionally at least one filler in a weight proportion from 0 to 50 wt% relative to the weight of the complete composition and wherein the respective weight proportions of block copolymer, bitumen and filler add up to 100%.
12. (New) The thin block copolymer modified bituminous felt according to claim 1 wherein the weight proportion of block copolymer is from more than 20 to 40 wt% relative to the weight of the block copolymer and bitumen.
13. (New) The thin block copolymer modified bituminous felt according to claim 1 having a service temperature from 140 to 200°C and a cold bend temperature of -35°C or lower.
14. (New) The thin block copolymer modified bituminous felt according to claim 1 wherein the conjugated diene is 1,3-butadiene, isoprene or a mixture of 1,3-butadiene and isoprene.
15. (New) The thin block copolymer modified bituminous felt according to claim 1 wherein the block copolymer is a linear triblock copolymer S-B-S or a coupled radial block copolymer (S-B)_n-X, optionally mixed with diblock S-B, wherein each S independently represents poly(styrene) and each B independently represents poly(butadiene) and wherein the diblock copolymer occurs in a weight proportion from 0 to 35 wt%.
16. (New) The thin block copolymer modified bituminous felt according to claim 1 wherein the block copolymer is selectively hydrogenated and is a linear triblock copolymer S-EB-S or a coupled radial block copolymer (S-EB)_n-X,

optionally mixed with diblock S-EB, wherein each S independently represents poly(styrene) and each EB independently represents hydrogenated poly(butadiene) and wherein the diblock copolymer occurs in a weight proportion from 0 to 35 wt%.

17. (New) The thin block copolymer modified bituminous felt according to claim 1 wherein the bound poly(vinyl aromatic) content in the block copolymer is from 25 to 45 wt%.
18. (New) The thin block copolymer modified bituminous felt according to claim 1 wherein the 1,2-addition in the conjugated diene polymerization is from 5 to 65 mole%.
19. (New) The thin block copolymer modified bituminous felt according to claim 1 wherein the apparent total molecular weight of the block copolymer is from 40,000 to 500,000.
20. (New) The thin block copolymer modified bituminous felt according to claim 1 having a thickness from 1 to 5 mm.
21. (New) The thin block copolymer modified bituminous felt according to claim 20 wherein the bituminous felt is a roofing felt having a thickness from 1.5 to 2.5 mm.
22. (New) The thin block copolymer modified bituminous felt according to claim 20 wherein the bituminous felt is a bridge decking layer having a thickness from 2.5 to 3.5 mm.
23. (New) The thin block copolymer modified bituminous felt according to claim 1 wherein the bituminous felt consists of a single layer.
24. (New) A thin block copolymer modified bituminous pavement comprising at least one block copolymer, which comprises at least two poly(vinyl aromatic) blocks and at least one poly(conjugated diene) block, in a weight proportion from more than 20 to 50 wt% relative to the weight of the block copolymer and bitumen, and optionally at least one filler in a weight proportion from 0 to 50 wt% relative to the weight of the complete composition, and wherein the

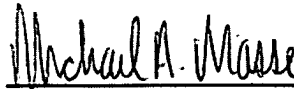
respective weight proportions of block copolymer, bitumen and filler add up to 100%.

25. (New) The thin block copolymer modified bituminous pavement according to claim 24 having a base course thickness of about 40 mm.
26. (New) A block copolymer modified bituminous composition wherein the bitumen has a penetration value at 25°C (according to ASTM D5) from 10 to 350 dmm, and wherein the block copolymer occurs in a weight proportion from more than 20 to 50 wt% relative to the weight of bitumen and block copolymer.
27. (New) The block copolymer modified bituminous composition according to claim 26 wherein the block copolymer is a linear triblock copolymer S-B-S or a coupled radial block copolymer (S-B)_n-X, optionally mixed with diblock S-B, wherein each S independently represents poly(styrene) and each B independently represents poly(butadiene) and wherein the diblock copolymer occurs in a weight proportion from 0 to 35 wt%.
28. (New) The block copolymer modified bituminous composition according to claim 26 wherein the bound poly(vinyl aromatic) content in the block copolymer is from 25 to 45 wt%.
29. (New) The block copolymer modified bituminous composition according to claim 26 wherein the 1,2-addition in the conjugated diene polymerization is from 5 to 65 mole%.
30. (New) The block copolymer modified bituminous composition according to claim 26 wherein the apparent total molecular weight of the block copolymer is from 40,000 to 500,000.

Applicants respectfully request consideration of newly added claims 11 to 30.

Respectfully submitted,

Date: February 7, 2008

A handwritten signature in black ink, reading "Michael A. Masse". The signature is written in a cursive style with a horizontal line underneath it.

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